

BALTIMORE POLICE DEPARTMENT
Forensic Services Division
601 E. Fayette St.
Baltimore, MD 21202

Forensic Biology Report
Date Prepared: October 13, 2018

To: Det. Niedermeier
Unit: Homicide
Offense: Homicide

CC#: 998B05801

Victim: Hae Min Lee

Forensic Biology analyses were performed between August 14, 2018 and the date of this report.

| | |
|---------------------------------------|----------------------------|
| 1- Left fingernail clippings | Property # 99004672.3A |
| 2- Right fingernail clippings | Property # 99004672.3B |
| 3- Swab from bottle cap | Property # 99004542.1A |
| 4- Swab from mouth of bottle | Property # 99004542.1B |
| 5- Swab from white metal necklace | Property # 99004669.1A |
| 6- Swab from yellow metal necklace | Property # 99004669.2A |
| 7- Blood sample from back of shirt #1 | Property # 99008991.1A |
| 8- Blood sample from back of shirt #2 | Property # 99008991.1B |
| 9- Blood sample from back of shirt #3 | Property # 99008991.1C |
| 10- Swab from condom wrapper | Property # 99004537.1A |
| 11- Swabs from longer wire | Property # 99004539.1A.1-2 |
| 12- Swabs from shorter wire | Property # 99004539.1B.1-2 |
| 13- Blood card - Hae Min Lee | Property # 99004674.1 |
| 14- Known blood sample - Jay Wilds | Property # 99018665.1 |
| 15- Blood card - Adnan Syed | Property # 99014398.1 |

The DNA analysis reported was performed using procedures that have been validated according to the Federal Bureau of Investigation's Quality Assurance Standards for Forensic DNA Testing Laboratories. Polymerase Chain Reaction (PCR) testing was performed using extracted DNA. The short tandem repeat (STR) loci D3S1338, D151656, D2S441, D10S1248, D18S117, Penta E, D16S539, D18S51, D2S1338, CSF1PO, Penta D, TH01, AWA, D21S11, D7S820, D22S18, TPOX, D8S1179, D12S391, D9S423, FGA, D22S1045, DYS391, and amelogenin (gender indicator) were tested and the following conclusions are based on the data.

Item 1 - Left fingernail clippings

- The Left fingernail clippings yielded a DNA profile consistent with a single source, major female profile and one indeterminate¹ minor allele. The major female profile is consistent with Hae Min Lee.

Item 2- Right fingernail clippings

- The Right fingernail clippings yielded a single source, female DNA profile consistent with Hae Min Lee.

Item 3 - Swab from bottle cap

- The swab from the bottle cap yielded inconclusive² DNA results.

Item 4 - Swab from mouth of bottle

- The swab from the mouth of the bottle yielded no DNA results.

Item 5 - Swab from white metal necklace

- The swab from the white metal necklace yielded no DNA results.

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Item 6 – Swab from yellow metal necklace

- The swab from the yellow metal necklace yielded no DNA results.

Item 7 – Blood sample from back of shirt #1

- The blood sample from the back of the shirt #1 yielded a partial, single source, female DNA profile. Hae Min Lee is the source¹ of this profile.

Item 8 – Blood sample from back of shirt #2

- The blood sample from the back of the shirt #2 yielded a single source, female DNA profile. Hae Min Lee is the source¹ of this profile.

Item 9 – Blood sample from back of shirt #3

- The blood sample from the back of the shirt #3 yielded a single source, female DNA profile. Hae Min Lee is the source¹ of this profile.

Item 10 – Swab from condom wrapper

- The swab from the condom wrapper yielded inconclusive² DNA results.

Item 11 – Swabs from longer wire

- The swabs from the longer wire yielded inconclusive² DNA results.

Item 12 – Swabs from shorter wire

- The swabs from the shorter wire yielded a single source, female DNA profile. The profile is that of an unknown female (Unknown Female #1).

Item 13 – Blood card – Hae Min Lee

- The blood card from Hae Min Lee yielded a partial, female DNA profile.

Item 14 – Known blood sample – Jay Wilds

- The known blood sample from Jay Wilds yielded a full, male DNA profile.

Item 15 – Blood card – Adnan Syed

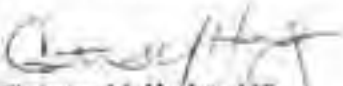
- The blood card from Adnan Syed yielded a full, male DNA profile.

Future correspondence will be provided if samples are entered into the CODIS database. Notifications will be made of any investigative information obtained or sample deletion.

All relevant samples have been retained by the Baltimore Police Department as required by the Annotated Code of Maryland.

This report contains conclusions based on the interpretation and opinions of the below signed author.

This test is accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation FT-0031.


Christina M. Hurley, MS
Forensic Scientist II – DNA Analyst

Date Issued:

10/23/18 

¹ Due to the complexity of the genetic information available or the possibility of incomplete detection of genetic information, no definitive conclusions can be made whether an individual may or may not be a contributor to the minor portion of the DNA profile.

² The current methods of analysis did not generate enough data to make a conclusion regarding the inclusion or exclusion of any individual.

³ Based on an estimated world population of approximately 7.5 billion (7,500,000,000) people, a random match probability greater than 1 in 7.49 million (7,490,000,000,000) shows at least 99.9% confidence that the DNA profile is unique in the population. (Not used in statistics due to incomplete detection in the Victim standard profile: D1S3317, Penta E, CSF1PO, Penta D, D21S11, D7S820, D3S1818, TP0X, and D22S1045.)